

Amateur Computer Group of New Jersey NEWS

Volume 39, Number 03

March 2014

President's Note

Michael P. Redlich

2014 Trenton Computer Festival



This year, the 39th annual Trenton Computer Festival (TCF) will take place on Saturday, March 15 from 9:00am to 5:00pm. This will also be year #9 for the TCF IT Professional Conference, held on Friday, March 14 from 8:30am to 5:00pm. The venue will once-again be at The College of New Jersey in Ewing, NJ.

As most of you already know, what makes this show different from others is the suite of talks that are available for a modest \$10.00 price-of-admission (via advance on-line purchase). I always say there's something for *everyone* at TCF as the talks aren't just for tech-savvy or IT professionals. This year, there are tracks on **Microsoft**, **Robotics**, **Mobile Computing**, **Arduino Workshop**, among others. I will be conducting a series of talks in my own track, **Object Oriented Programming (OOP) University**, which include C++ and Java.

This year's theme is **Multimedia in a Post-PC**

(Continued On Page 3)



<http://www.acgnj.org>

Founded 1975

This newsletter was made by 100% pure Linux!

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ACGNJ Meetings

For the very latest news on ACGNJ meetings, please visit the ACGNJ Website (www.acgnj.org).

Lunics (Linux/UNIX): Monday, March 3, 8:00 PM
Andreas Meyer (lunics (at) acgnj.org)

Board of Directors Meeting: ~~Tues, Mar 4, 7:00 PM~~
MOVED due to president's scheduling conflict:

Board of Directors Meeting: **Friday**, Mar 7, **7** PM
Mike Redlich (president (at) acgnj.org)

Main Meeting: Friday, March 7. 8:00 PM
Mike Redlich (president (at) acgnj.org)

Layman's Forum: Monday, March 10, 8:00 PM
Matt Skoda (som359 (at) aol.com)

Java: Tuesday, March 11, 7:30 PM
Mike Redlich (mike (at) redlich.net)

Investing: Thursday, March 13, 8:00 PM
Jim Cooper (jim (at) thecoopers.org).

NJ Gamers: Friday, March 14, 6:00 PM
Gregg McCarthy (greggmajestic (at) gmail.com)

Trenton Computer Festival: Sat, Mar 15, 9AM-5PM
(See the President's Note on the left).

Firefox: Monday, March 17, 7:30 PM
David McRitchie (firefox (at) acgnj.org)

C/C++: Tuesday, March 18, 7:30 PM
Bruce Arnold (barnold (at) ieee.org)

Window Pains: Friday, March 21, 8:00 PM
John Raff (john (at) jraff.com)

All meetings, unless otherwise noted, are at the Scotch Plains Rescue Squad, 1916 Bartle Ave, Scotch Plains, New Jersey. Directions and map on last page.

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Officers, Directors and Leaders

President	Mike Redlich	(908) 246-0410	Director Emeritus	Sol Libes	(609) 520-9024
Vice President	Wendy Bell		Through 2015	Gregg McCarthy	
Treasurer	Malthi Masurekar	(732) 560-1534		John Raff	(973) 533-0664
Secretary	Brenda Bell			Frank Warren	(908) 756-1681
Past President	Evan Williams	(908) 359-8070		(Open)	
			Through 2014	Bob Hawes	
				David McRitchie	
				Michael Reagan	
				(Open)	
Special Interest Groups					
C Languages	Bruce Arnold	(908) 735-7898			
Genealogy	Frank Warren	(908) 756-1681			
Hardware	Mike Reagan		Standing Committees		
Investing	Jim Cooper		APCUG Rep.	Frank Warren	(908) 756-1681
Java	Michael Redlich	(908) 246-0410	Facilities	John Raff	(973) 533-0664
Layman's Forum	Matthew Skoda	(908) 359-8842	Financial	Evan Williams	(908) 359-8070
LUNICS	Andreas Meyer		Historian	Lenny Thomas	
Mobile Devices	Brenda Bell		Membership	Bob Hawes	
NJ Gamers	Gregg McCarthy		Newsletter	Bob Hawes	
Web Browser	David McRitchie		Publicity	Gregg McCarthy	
WebDev	Evan Williams	(908) 359-8070	Trenton Computer Fest	Mike Redlich	(908) 246-0410
Window Pains	John Raff	(973) 533-0664	Vendor Liaison	Arnold Milstein	(908) 753-8036
			Webmaster	John Raff	(973) 533-0664

ACGNJ News

Editor

Robert D. Hawes
bob.hawes@acgnj.org

Editor Emeritus

(and Emergency Backup Publisher)
 Barbara DeGroot
 145 Gun Club Road
 Palmerton PA 18071
 Tel: (570) 606-3596
bdegroot@ptd.net

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Submissions: Articles, reviews, cartoons, illustrations. Most common formats are acceptable. Graphics embedded in the document must also be sent as separate files. E-mail submissions to newsletter@acgnj.org preferred. **Always confirm.** Date review and include name of word processor used, your name, address and phone and name, address and phone of manufacturer, if available.

Tips for reviewers: Why does anyone need it? Why did you like it or hate it? Ease (or difficulty) of installation, learning and use. Would you pay for it?

Advertising: Non-commercial announcements from members are free. Commercial ads 15 cents per word, \$5 minimum. Camera ready display ads: Full page (7 x 10 inches) \$150, two-thirds page (4.5 x 10) \$115, half-page \$85, one-third \$57, quarter \$50, eighth \$30. Discount 10% on 3 or more consecutive insertions. Enclose payment.

Publication Exchange: Other computer user groups are invited to send a subscription to ACGNJ at the address below. We will respond in kind.

Address Changes should be e-mailed to membership@acgnj.org or sent to ACGNJ at the address below.

Membership: Regular (now includes *all* family members who reside at the same address): 1 year \$25, 2 years \$40, 3 years \$55. Student: 1 year \$20. Senior Citizen (over 65): 1 year \$20, 3 years \$45. Send name, address and payment to ACGNJ, PO Box 135, Scotch Plains NJ 07076.

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E-Mail Addresses

Here are the e-mail addresses of ACGNJ Officers, Directors and SIG Leaders (and the Newsletter Editor). This list is also at <http://www.acgnj.org/officers.html>.

Bruce Arnold	barnold@ieee.org
Brenda Bell	mobdevsig@acgnj.org
Wendy Bell	ariellechaya@hotmail.com
Jim Cooper	jim@thecoopers.org
Barbara DeGroot	bdegroot@ptd.net
Mark Douches	pcproblems@pobox.com
David Eisen	ultradave@gmail.com
Manuel Goyenechea	Goya@acgnjdotnetsig.org
Bob Hawes	bob.hawes@acgnj.org
Sol Libes	sol@libes.com
Malthi Masurekar	masureka@umdnj.edu
Don McBride	don@mcbride.name
Gregg McCarthy	greggmc@optonline.net
David McRitchie	dmcritchie@hotmail.com
Andreas Meyer	lunics@acgnj.org
Arnold Milstein	mrflark@yahoo.com
John Raff	john@jraff.com
Mike Reagan	hardware@acgnj.org
Mike Redlich	mike@redlich.net
Matt Skoda	som359@aol.com
Paul Syers	paul.syers@acgnj.org
Lenny Thomas	lennythomas@technologist.com
Scott Vincent	scottvin@optonline.net
Frank Warren	kb4cyc@webwarren.com
Evan Williams	tech@evanwilliamsconsulting.com

World. We have so many means of exchanging, participating, and viewing information and content; the challenge is in integrating, synchronizing, and using our devices to their fullest. In-sync with our theme will be this year's Keynote Speaker, **Joseph Salvo**, Manager of the Complex Systems Engineering Laboratory, GE Global Research, speaking on **The Internet of Things (IoT)**. We are also proud to announce that Microsoft has partnered with TCF!

Another featured speaker is ACGNJ's **Barry Burd** who has a talk on **Google Glass** and a workshop on **Developing Apps for Android**. And making his debut speaking at TCF this year is ACGNJ's **Bill Brutzman** who will be speaking on **Python and Raspberry Pi**.

TCF 2014 will again be a one-day festival with compelling talks, presentations and flea market. In the high technology area, one year can mean very dramatic changes in both hardware and software. It is not easy to keep up with it all – and that is exactly why we need to have this yearly get-together. For more information read our 2014 Press Release and/or Speaker Schedule.

<http://tcf.pages.tcnj.edu/files/2013/10/TCF14PressRelease1.pdf>

<http://tcf.pages.tcnj.edu/files/2013/10/speakerchart2014.pdf>

Computers and the Internet are continuing to evolve at a rapid pace. We can help you sort it all out. Smartphone? Tablet? Desktop? We will have talks and demonstrations by experts in all of these fields to help get you up to speed, and it's still only \$10.00 (\$12.00 at the door) for a full day of talks and events.

We have received a YouTube video from Richard Albe that he made during last year's Trenton Computer Festival, complete with background music. Have a look:

<http://youtu.be/l4VHxCAN54c>

David McRitchie has posted raw photographs taken at last year's TCF which you can view here:

<http://www.acgnj.org/tcf/2013>

I hope you will consider attending or even volunteering (we need lots of volunteers!) at TCF 2014. All you need to know about this year's festival can be found at <http://www.tcf-nj.org/>. I would also encourage you to tell all your friends! ☐

ACGNJ Investment Meeting SUMMARY (Feb. 20, 2014)

(Note: This meeting had to be postponed from Feb. 13 due to inclement weather).

Philip Lees, ACGNJ

Thanks to everyone who attended the rescheduled meeting and to all of those who attempted to get to the meeting, despite the traffic and numerous pothole delays. We had **12** members at the meeting.

I started the meeting with a presentation of "Seasonal" stock movements (specifically for MARCH), displaying and discussing a list of stocks (initially 31) that have had a consistent (80% or more) of an UP move in the stock market during MARCH (next month, of course). Additionally, the stocks had at least 15 years of trading where the consistent moves could be identified. After discussing a few of the items' "Seasonality" using Seasonal Trade Charts (see below), we then performed filtering in FINVIZ to trim down the list from 31 candidates to 8. From there, we examined technical levels in anticipation of a setup for an UP move. There was a lot of

interaction, a lot of questions and a number of requests for adding functionality to the website too.

www.SeasonalTradeCharts.com

We then had a short pizza break, some active, fun and interesting trading-chat conversations.

Larry Yu finished the meeting with an overview presentation of an Opening-Range system that he encountered at the Trader's Expo. The rules for setup, entry (long or short), exits (profit-targets and/or stop-losses) were all discussed. Larry did a very nice job at presenting and discussing the system, which I think warrants a follow-up discussion, too, because we ran out of time.

The attendees will receive the candidate list this weekend. Please attend the the next meeting on **3/13/2014**. Hope to see you there. Thanks. Philip ☐

The FIRST Publicly Accessibly Web Page EVER

Bob Hawes, ACGNJ

In previous years, for the newsletter that we publish concurrently with the Trenton Computer Festival, I've mostly written articles focused on the future. This year, I'm feeling historic, so I'm focusing on the past. We'll start with the recent past: In our December 2013 issue, we re-printed (with permission) *The Web of Unintended Consequences* by Greg Skalka, President of the Under the Computer Hood User Group in San Diego, CA. (www.uchug.org). It was originally published in the June 2013 issue of Drive Light, their newsletter. Here's a quote:

“Though the Internet, a global computer network, has existed since the 1960s, the World Wide Web has existed publicly for only 20 years. Tim Berners-Lee, then an employee of the European nuclear research organization CERN, created the framework for

linked information in 1989; it went into the public domain on April 30, 1993. Berners-Lee hosted the first website on a NeXT computer with the intent to allow physicists around the world to share information. To commemorate the anniversary, CERN has resurrected that first web page, which explained the basics of the web and how to use it.”

Here's a link to that site:

<http://info.cern.ch/hypertext/WWW/TheProject.html>

As I write this, it's still up and running; but just in case they take it down again, I've reproduced its home page below. (Usually, in our “electronic” newsletters, *all* of the links work: but even in the PDF version of this issue, the links below are ***NOT*** live. This is just a black-and-white static copy. If the real website is still up, its links ***ARE*** live, for your education and enjoyment). See you next month. ☞

World Wide Web

The WorldWideWeb (W3) is a wide-area hypermedia information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an executive summary of the project, Mailing lists, Policy, November's W3 news, Frequently Asked Questions.

What's out there?

Pointers to the world's online information, subjects, W3 servers, etc.

Help

on the browser you are using

Software Products

A list of W3 project components and their current state. (e.g. Line Mode, X11 Viola, NeXTStep, Servers, Tools, Mail robot, Library)

Technical

Details of protocols, formats, program internals etc

Bibliography

Paper documentation on W3 and references.

People

A list of some people involved in the project.

History

A summary of the history of the project.

How can I help ?

If you would like to support the web..

Getting code

Getting the code by anonymous FTP, etc.

ACGNJ Announcements

Main Meeting

Friday, March 7, 2014, 8:00 PM to 10:00 PM

Scheduled Topic: Mobile Medical Devices.

Scheduled Speaker: Brenda Bell. ☐

Window Pains Meeting

Friday, March 21, 2014, 8:00 PM to 10:00 PM.

Scheduled Topic: Vintage Computing Devices.

Scheduled Speaker: Don McBride. ☐

ACGNJ Mini-Reports

Main Meeting Report

Brenda Bell, ACGNJ

On Friday, February 7, 2014,, we held our monthly Main Meeting, with 9 persons attending. Our topic was “There’s An App for That”, presented by Brenda Bell. (It was re-scheduled from last month's Main Meeting (on January 3), which had to be canceled due to inclement weather). ☐

Java Users Group Report

Mike Redlich, ACGNJ

The February Java Users Group meeting was supposed to be a review of Spring Data for MongoDB, but it was necessary to have a better understanding of the utilities, Gradle and Maven that are used by Spring Data for MongoDB.

There were seven attendees at the meeting. ☐

Window Pains Report

Wendy Bell, ACGNJ

As in January, our February 21 Window Pains Meeting was held in the Microsoft Store at Bridgewater Commons, where they spoke about the Xbox 360, Xbox One and Kinect. The talk took

about an hour, and then we had about an hour of game play on the systems. We had 6 people in attendance, and we learned a lot about the aforementioned items. ☐

Are We All Turning Into Magnetic Ink?

Greg Skalka, President, UCHUG (Under the Computer Hood UG), CA

Newsletter: DriveLight (www.uchug.org) president (at) uchug.org

I’ve miles

And miles

Of files

*Pretty files of your forefather’s fruit and now to suit
our great computer,*

You’re magnetic ink.

*(From “In the Beginning” by Graeme Edge, from
the album “On The Threshold of a Dream” by The
Moody Blues, 1969)*

Are we all turning into magnetic ink? That poem was written over 40 years ago, before the Internet, server farms, Amazon.com, big data, social media and digital image recognition, yet it predicts a road we are traveling down now. In the liner notes, it is the “Establishment” that speaks these words, with the goal of turning man into a quantifiable set of data. Are we all on our way to being defined by our data?

Companies compile more and more data about our habits and preferences, reducing our privacy and our

ability to remain anonymous. From Google’s targeted advertisements to Amazon’s purchase suggestions, we are being reduced to a database of our likes and dislikes, ready for commercial exploitation. Our web searches are tracked so we can be presented with “more relevant” advertising, but the goal is more effective advertising, meaning more sales for less cost. It may be nice to be presented only with things we really would be interested in, but when algorithms are implemented incorrectly, it can lead to limiting and even inaccurate suggestions. I once bought my daughter a lamp she wanted as a gift from eBay; now I regularly receive suggestions for other lamp purchases, something I care nothing about. The history of one oddball purchase may haunt my account forever.

A bigger problem is privacy in this era of commercial digital surveillance. From all this seemingly innocent and inconsequential data being collected about us, we could become defined by our

purchases (like the lamp) or our searches. It has probably gotten to the point that one must be careful about what one searches for on Google, or any other search engine.

While the Internet represents an almost unlimited data resource, asking for the wrong things could get you in trouble, or at least earn you an undesirable label. This goes way beyond the obvious illegal activities like child pornography or online involvement with hate groups. Simply searching for information about embarrassing topics like incontinence or a gambling problem can put those topics into your “profile”, so later ads reflect those issues. When you let someone else use your computer, those embarrassing issues may be revealed. And since that data is out of your control, who is to say that someday a record of your searches on cancer won’t be sold to life insurance companies that could use it to deny you additional coverage.

Though the commercial world probably collects more data, governmental categorization of all of us is even more troubling. Repressive governments all

over the world use data collected on their citizens in bad ways. Searching on the wrong topics in some countries can lead to imprisonment. Here we would hope to have more freedom and privacy, but some day, following another incident like 9/11, could we find a misinterpreted web search leading to a visit by the FBI or inclusion on a no-fly list?

There are also real criminals out there trying to collect data on us. Whether it is data to be sold or used for identity theft, or personal information from social media sites exploited for scams, home burglaries or child abductions, our data is sought after by malicious people intent on taking advantage of us. Once again, this may be data that we have no control over, stored on company servers, perhaps with poor safeguards.

Unfortunately, we are often willing, though possibly unknowing participants in this conversion of our lives into data. All the information we freely share on social networking sites can be a treasure trove to marketers, prospective employers and anyone interested in taking advantage of us. As time goes

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on, new ways are developed to monitor each of us, from location tracking through our phones, keyword analysis of our emails and facial recognition and tracking of our movements through security camera images. Even data collected with the best of intentions can fall into the wrong hands, or the intentions of the collectors can simply change. Once lists are started for convicted criminals, sex offenders, the mentally ill and potential terrorists, how hard would it be to make more lists, like of those that complain about the government? After all, we are only data.

Where to Put All That Data

All the data we store, and that others store about us, has to be kept somewhere. Today it is stored not in the “magnetic ink” of magnetized domains on recording tape, but in magnetized regions of spinning metal platters. Mechanical hard drives, though losing out in some applications like tablets and phones to solid state memory, are still the primary means of bulk data storage. Seagate recently shipped its two billionth unit, the first hard drive

manufacturer to reach that milestone. That is a hard drive for almost every third human on earth. While that seems amazing, what is really of interest is how they got to 2 billion. They have been making drives since 1980, and took 29 years to produce and ship their first billion units. Their second billion took only four years. That is a tremendous amount of digital storage, especially since that last billion were probably each 100 GB or larger drives.

This exponential increase in cumulative drive capacity is necessary, as our need for storage grows exponentially. In 2007, we were uploading just over 5 hours of video to YouTube each minute. Now it is estimated that 72 hours of video is uploaded per minute to the site. To put this in perspective, if you were in the habit of watching YouTube 12 hours a day, every day, then in the five minutes it will take you to read this column, another month’s worth of new content was put on the site. The break is over; get back to watching!

High-Tech Pants

I just bought a new pair of my favorite kind of pants,

Costco's Kirkland blue jeans, and got a surprise. Costco jeans have gone high tech. The product label advertises a new feature I'd not seen before - a cell phone pocket. It seems that Costco has tinkered with the classic five-pocket design and turned the small right front coin pocket into a cell phone pocket. They made that pocket deeper and a bit wider, so it could hold a standard cell phone. A large smartphone would probably be a tight fit. Of course, making that pocket so much deeper makes it useless for holding (or at least extracting) coins.

Most people today think that fifth pocket was designed for coins, but in the days before cell phones and wrist watches, it was meant to hold a pocket watch (the kind on a chain). That was the intended purpose of that pocket on the first Levi's 501 jeans introduced in 1890. If this cell phone pocket thing catches on, it would thus be appropriate, as many people have stopped wearing wrist watches, using their cell phones as timepieces instead. If we get to the point where we also use our phones for making retail purchases like they do in Japan, then we won't need to worry about where to put our displaced coins

either.

Just A Minute

Intel has produced a graphic and video outlining what happens today in an Internet minute. It shows 639,800 GB of global IP data transferred on the Internet in a minute, with the amount of various activities in that time listed. Some numbers are staggering (6 million Facebook views, 204 million emails sent), some are crazy (320+ new Twitter accounts, 1.3 million video views) and some are scary (20 new victims of identity theft, 135 botnet infections). And just as with hard drive shipments, future growth for the Internet appears to be exponential. Today the number of networked devices equals the global population; by 2015, it will be 2x. If the Internet and the number of devices on it keep growing this way every minute, it won't be long before humanity is minute by comparison.

(To view all of Intel's graphics and videos, go to [<http://intel.ly/wjibt1>](http://intel.ly/wjibt1)).

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Review: East-Tec Eraser 2014

Herb Goldstein, Columnist-The Computer Buffet, Sarasota PCUG, Florida

Newsletter: PC Monitor (www.spcug.org) pcugedit (at) Verizon.net



It's a miracle! Yes, finding something on the internet can seem to be miraculous. But the actual miracle is no longer finding what you are looking for; it's finally completely getting rid of what you've found! In fact, getting rid of what you've found is the real miracle.

Pound on your delete key all you will, take an oath it's gone and forgotten, and don't you know that some smart-aleck computer enthusiast will come along and make a liar out of you despite your fervent oath.

Bringing back the text or photo you have vigorously deleted is not as miraculous as it may seem. The real miracle is how easy it can be to bring back from the

dead. With surprisingly little effort your deleted item can be readily restored. Now if your restored text or photo happens to exist in any variety between embarrassing and deadly, you may wish you backed up your delete key with something that really did the job.

East-Tec Eraser is the quintessential software for eliminating anything you really want to get rid of without worrying that it will show up unexpectedly because someone was able to restore it. What's more, it's easy to use and fool-proof. (www.east-tec.com)

After an easy installation, East-Tec Eraser opens with a vertically placed menu bar the first item in which is Privacy Guard. Its purpose is to erase sensitive data you have gathered from Windows and the internet that was extracted without your knowledge or permission. It will not erase files you have saved or that are needed for normal operation.

Review: East-Tec Eraser 2014, *continued*

The Privacy Guard engages as the first and basic "hot" item in Eraser's menu and in my initial venture gathered a collection of 2,351 previously "deleted" files that had been originally quarantined by Malwarebytes or Norton Utilities over a several year period among a collection of other files that I had long ago considered "gone forever". Well what do you know? There they were just sitting there unknown and out of reach to me, just waiting to be

reclaimed by someone with the smarts to do it. With the click of a single button in Privacy Guard, one by one each of those 2,351 files was finally and finitely laid to rest by East-Tec Eraser.

Of course the object in the future would be not to wait until a few thousand of those files were accumulated, but to use Privacy Guard regularly on an ongoing basis which I will make it my business to do henceforth. Needless to say, before using Privacy Guard you need to be certain you are not erasing something you plan to possibly restore at a future time. This is a caveat that holds true for anything else you feed to East-Tec Eraser in one or another of its tools. The items selected by Privacy Guard will conform to pre-chosen defaults.

Button #2, Erase Files and Folders, allows you to indicate files or folders that you want to add to your erase list. You can specify certain criteria or otherwise drag and drop specific files or folders to this area.

Button #3, Erase Deleted Data, ensures that previously deleted files are removed from specified



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drives on your computer beyond recovery.

Button #4, Media Wiper, was designed to address all removable media devices up to 64 GB. It also has provisions for wiping entire disks or partitions.

Button #5 cleans traces of your online activities at certain intervals which you specify.

How does it all work? To the best of our judgment, East-Tec competently removed everything it boasted it was going to. We had the opportunity to put East-Tec Eraser through its paces in both Firefox and Chrome browsers. It worked equally well with both and can be expected to work similarly with other common browsers. Erasing the free space allocated to previously deleted files needs to be done while the computer is not in normal occupied usage. It takes plenty of time.

East-Tec provides for very secure erasing that meets and exceeds the U.S. Department of Defense standards for the permanent erasure of digital information. If there is a caveat, it is in nomenclature. East-Tec provides for a free trial period for Eraser. You need to wring the software out

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to make certain you are comfortable with its instructions, straightforward as they may be. It is very powerful software whose purpose is to readily, permanently and irretrievably erase. Not too much imagination is required to imagine problems that can result in improper use. While there is little really difficult in its usage, wisdom dictates caution. East-Tec helps by making a trial copy of Eraser available to you. It will also help convince you it is software you don't want to be without if you desire to maintain unrestricted control over what is available or not on your hard drive.

As you would expect, whatever Eraser activities you may be employing at the moment need be during a period of time when your cyber-activities are not otherwise occupied. Eraser helps by offering a scheduler to properly and conveniently plan the periods of time during which Eraser functioning will occur and prevent other computer or internet usage.

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Fun With Your Scanner

Jim Cerny, Director, Sarasota PCUG, Florida

Newsletter: PC Monitor (www.spcug.org) jimcerny123 (at) gmail.com

In a previous article we looked at the many options and ways of having fun with your printer. This time I would like to look at using a scanner. It only makes sense that if you are purchasing a new printer it is a good idea to get a “combo” printer that includes a scanner.

Scanners have been around for a long time and their technology keeps improving. If you have a scanner, you can think of it as a digital camera – it is really taking a digital photo of what you are scanning and making a new file of that image on your computer. Anything you can do with a digital photo you can do with what you scan with your scanner – it creates a “.jpg” file, for example. Here are some basic tips for using a scanner (but read your scanner’s manual!).

When you install your scanner (i.e. combo printer) it will create an icon on your computer Windows desktop to control it. Whenever I scan something I first double-click on that icon to open it and use the controls there to control the scanner. Many combo

printers have some controls and buttons to push on the control panel to make copies, print, or do a scan, but I always find that I see more options and get better results if I always use the controls on my computer window. When you do a scan you need to provide the scanner with some information – such as the following:

File type – do you want to save your scanned image as a “.jpg” photo file? That is my usual choice. But other file types may be available too if you want or need them.

File name – give your new file a meaningful name.

Destination folder – into what folder would you like your new file to be placed? My usual selection is “My documents”. I can move the file anywhere from there whenever I want. You should always be aware of where your scanner is putting the new files so that you can find them!

Scan resolution – the higher the density (of dots per inch) the higher the resolution and the more time it

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takes to scan and create the new file. Go with the suggested default resolution settings to start with and change them later if you need to. Usually 200 dpi (dots per inch) is fine, although most scanners are capable of much higher resolutions.

Scanners will have “default” settings for these and other options. Read your manual to understand how to change these default settings – or you can change them before each scan is performed.

Double-click (the right mouse button) on the printer/scanner icon on your desktop and follow the instructions. Place the object you would like to scan flat (and I mean totally flat) on the clean scanning bed – facedown, of course, the scanner is not an x-ray machine! Then click on the “scan” control box on your computer window. The pop-ups should tell you what the settings will be for the scan or give you an opportunity to change them. I always give the file a good name, put it into the “My documents” folder, and use “.jpg” as the file type (scanning the object to create a photo file). When I hit the “scan” button on the screen, the scanner will do an “initial scan” of

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the object and display it in your window. Now you may be able to change the area scanned (that is, you can select only a portion of the image to scan, sort of like cropping a photo). So if you are scanning the page of a magazine, you can select only what you want on that page to be scanned for your final image. When you are ready, hit “scan” again and wait for the results. After a scan has completed, always view the file you created right away to make sure it worked! Scanning your old family photos to create timeless digital images is always a good use for a scanner.

If you are scanning text (and this is really amazing) you can scan the text and put it directly into a Word file, for example. Do you understand what this means? It means your scanner can actually “read” text and put the text right into a Word file (or another text file) just as if you typed the text in using your keyboard. You can then edit and change the text in the file all you want. So in this case, your scanner is not “taking a photo” of the text or creating a .jpg file -- it is interpreting the text and entering it into a

word processor file for you – so you do not have to enter the text from the keyboard! An example of this would be scanning a recipe from a document, letting your scanner create a text file with the words (you would select a text “file type” such as Word (.doc) or .txt or other text file type you know you can open and edit) and then opening the file and changing the recipe.

Don't forget that Google is a great source of information. Even if you lost your scanner manual, just enter the make and model in Google and get all the information you need. But take some time to try

your scanner and see what happens. You are not going to break it by trying it out. I am sure you will be impressed.

Finally, remember that it is illegal to scan (or copy) copyrighted material – you know, like books or money. Well, maybe you could scan a few coins but I don't think they would work in a vending machine anyway.

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Nibblers

*Jeannine Sloan, Member, Twin Cities PC Users' Group, Minnesota
Newsletter: The Digital Viking (www.tcpc.com) [sqwalbran \(at\) yahoo.com](mailto:sqwalbran@yahoo.com)*

Grandparents Develop iPad App to Stay in Touch With Family

"It's completely simultaneous, when grandma moves a puzzle piece on her iPad, it moves on Johnny's

iPad." <http://www.goodnewsnetwork.org/family-life/grandparents-develop-ipad-app-famzoom.html>

Print and/or Digital

Amazon has begun allowing buyers of print books to

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also purchase the ebook for little or nothing.

<http://tinyurl.com/llpt5yz>

Chrome/Firefox Tip

If you use Chrome or Firefox, you can pin a tab by right-clicking it and selecting Pin tab. The web page in the pinned tab will automatically open each time you open a new browser window.

Backup Network Settings

With Windows 7 it is extremely easy to backup your wireless network settings, to save for the just in case times. Even though setting up a wireless network in Windows 7 is very easy, there are still things like a security key that you have to remember and type in manually. Therefore I like to save my wireless network settings and import them back in whenever I need them.

<http://tips4pc.com/networking/backup-wireless-network-settings-windows-seven.htm>

Manage Wireless Networks

Manage Wireless Networks is gone from Windows 8. The most used part of the Manage Wireless Networks functionality is now part of the list of

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wireless networks on the network icon. In Windows 8, simply left click on the icon, and then right click on the appropriate wireless network and you'll see "Forget this network", "Connection Properties" etc.

Quick Access Panel in IE 10 on Windows 8

The favorites (pinned sites) and frequent sites in the Modern UI/Metro version of IE10 are accessed from the Quick Site Access panel, which displays when you set focus to the address bar (press Alt + D).

<http://www.howtogeek.com/123902/>

OCR (Optical Character Recognition)

Skydrive & Google Drive both perform OCR on photos of narrative. Google Drive can convert PDF to text.

Delete Online Accounts

Check these sites for help: <http://justdelete.me/>
--or--<http://www.accountkiller.com/en/>

Miracast

It lets two devices that have Wi-Fi in them talk to each other without having to go through your internet network. And unlike AirPlay, it will work with disparate brands and platforms. So ideally, your

Samsung phone would be able to talk to your LG TV. <http://gizmodo.com/5944578/what-is-miracast>

Wireless displays

Wireless displays are pretty amazing things. You can output display and audio from smartphones, laptops and desktops to larger monitors. Most modern computers and smartphones include some kind of support for it. Linux, iOS, PCs and most Android devices with Jelly Bean or later versions support the feature. WiDi, AirPlay and Miracast are terms to study.

Youtube Video Link Customization

You can easily create links that go directly to a specific time in a YouTube video -- ideal for emailing or sharing on social media. To do this, just add `&t=#m#s` to the end of the video's URL, replacing the `#` signs with the number of minutes and seconds you want to link to. For example, the link <https://www.youtube.com/watch?v=wKF-TO2HEuQ&t=15m30s> takes you to the 15 minute and 30 second mark on the latest MakeUseOf podcast video.

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baggie inside the plant's pot (or anywhere near it, as long as it's above the soil and the wick is touching the soil), and you're done.

Take a Screen Shot of Your Smart Phone Screen

On an iPhone, press and hold the Home button along with the Sleep/Wake button. You should hear a shutter click. The screenshot will appear in your Camera Roll or Saved Photos section. On Androids, hold the Power and Volume Down buttons at the same time. The image is saved to the "Captured Images" folder in your Gallery app. That only works in Android 4.0 and higher, though.

Technophilia

n. (teh-k-no-FOR-ee-ah) The high you get from purchasing the latest and greatest high tech gadget. "I was overwhelmed with the sense of technophilia when I bought the latest BananaPhone 5000".

<http://www.urbandictionary.com/>

Another Search Engine

CanIStream. It is a free service created by Urban Pixels that allows you to search across the most popular streaming, rental, and purchase services to

From MakeUseOf ezine

VPN

Windows 7 offers easy methods to set up both incoming and outgoing VPN with the built-in Agile VPN Client. Read the tutorial here:

http://tips4pc.com/windows_seven_tips/setup-a-vpn-windows-7-tutorial.htm

Ctrl + F

When in IE and most other browsers a little known browser keyboard shortcut, Ctrl + F, will open a "Find" box. Fill in any word or phrase that you want to find in the active web page. (For Apple users the keys are Command + f)

Automatic Plant Watering

Instructables user threads a very fine needle, and then punctures the bottom of a zip-loc bag with a threaded needle. The needle has to be straight and fine for this to work, and once punctured the thread hangs out of the bag but the needle rests on the inside. This way the needle isn't in the way, and the thread serves as a wick that water can travel down. Fill the (now leaky) baggie with water, rest the

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find where a movie is available. If the movie you're looking for is not available, just sign-up, set a reminder and voila we will shoot you an email when your chosen service makes the movie available. It's simple and fast. <http://www.canistream.it/>

Block Websites in Router

Many routers allow the owner to block specific websites from their LAN. This will be found somewhere in the router settings and will be called something different in each brand. If you want to block access to a specific website, research your brand of router to see if you have that ability. You probably do.

Quick Key

Tap the space bar to move forward one screen in any browser, shift+space to move backward one screen.

Content Creators Use Piracy to Gauge Consumer Interest

Pirating as a barometer for public interest:

http://bits.blogs.nytimes.com/2013/09/17/content-creators-use-piracy-to-gauge-consumer-interest/?nl=todaysheadlines&emc=edit_th_20130918

Botnets Steal PII

Personally Identifiable Information (Pii) can be used to perpetrate identity theft. A botnet has been detected in major public record holders' servers. Read article here: <http://tinyurl.com/lc3qv4n>

IMD

Implantable Medical Devices (IMDs) need security too. Emergency responders have to be able to swiftly reprogram or extract data from the devices, lest treatment delays prove fatal to patients as they hunt for keys or passwords, and the devices' wireless access must be protected from hackers who might harm patients or expose their medical data.

<http://tinyurl.com/k7259jq>

A More Secure Web Browser

<http://www.guidryconsulting.com/techtips/2013/09/how-to-secure-your-web-browser/>

Read THE WHOLE PAGE B4 Downloading

In many cases the real download button is placed some way down the page, requiring scrolling to reach it. Or it may be a simple link, which isn't as prominent as a large graphical button. This can result

in you downloading not what you wanted, but something rather less useful or perhaps even harmful. Read more:

<http://www.pcadvisor.co.uk/how-to/security/3470334/>

Safer Online Banking

Follow these 8 tips and you can minimize the risks to your finances and bank safely online:

1. Choose an account with two factor authentication
2. Create a strong password
3. Secure your computer and keep it up-to-date
4. Avoid clicking through emails
5. Access your accounts from a secure location
6. Always log out when you are done
7. Set up account notifications (if available)
8. Monitor your accounts regularly

Read more here: <http://tinyurl.com/k6u7kfm>

Geo-blocking

Media companies erect location-based barriers around their properties. This practice is known as geo-blocking. Video-streaming sites such as BBC's iPlayer, Netflix and ABC iView use geoblocks to limit their audiences to the UK, USA, and Australia

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respectively. Online businesses such as gambling services may use these geoblocks to deny availability of their site to countries in which they cannot legally operate.

Read more at: <http://phys.org/news/2013-04-geoblocking.html#jCp>

How to Lock Down Facebook Privacy

The main concern with Facebook's new, more granular search is that your hundreds—and in some cases thousands—of past posts, each now requires its own, unique privacy setting. To keep strangers from poring through every single detail of your Facebook history, you'll want to turn on the "Friends Only" setting for old posts. For a quick way to do it read this:

<http://gizmodo.com/how-to-lock-down-facebook-privacy-now-that-old-posts-ar-1431103763/>

Search Your PC on Windows 8

Tap the Windows key makes the Modern (tiled) interface the active screen.

Type the search term, even though there is no designated field. Just start typing. The Search pane

opens as you type.

Tap, or click, the category to be searched.

Visually Impaired Turn to Smartphones

People with vision problems can use a smartphone's voice commands to read or write. They can determine denominations of money using a camera app, figure out where they are using GPS and compass applications, and take photos. Android and Apple smart phones lead the way in offering assistive technology. Read more here:

<http://tinyurl.com/ktopc64>

BCC is Confidential

The sender has used the "Bcc:" feature of email to send the email to one or more people, without revealing who they are. So how do you find out who they are? You don't.

(From Ask Leo ezine).

Editor's Note: Thanks again, Jeanine, for sharing all these tips with our members.

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SIG News

LUNICS (Linux/Unix)

Andreas Meyer (lunics@acgnj.org)
<http://www.acgnj.org/groups/lunics.html>

LUNICS is a group for those who share an interest in Unix and similar operating systems. While we do quite a bit with Linux, we've also been known to discuss Solaris and BSD as well. Recent meetings have followed a Random Access format. See our web page for further information. (We meet on the first Monday of each month, at 8:00 PM). ☐

Main Meeting

Evan Williams (president@acgnj.org)
<http://www.acgnj.org/groups/mainmeet.html>

We meet on the first Friday of the month, at 8:00 PM. Each December, this meeting includes our Annual Business Meeting and Officer Elections. *No* meetings in July or August. ☐

Layman's Forum

Matt Skoda (som359@gmail.com)
<http://www.acgnj.org/groups/laymans.html>

This SIG discusses issues of interest to novice users or those planning to get started in computing. Watch our Web page for updates and announcements. We meet at the same time as the Hardware Workshop. (On the second Monday of the month, at 8:00 PM). *No* meetings in July and August. ☐

Hardware Workshop

Mike Reagan (hardware@acgnj.org)

This group is dedicated to repairing, refurbishing and/or recycling older computers. Ten people attended the first meeting, so there is still a market for this type of event. Although we looked at some of the older equipment stored in the back room, most of our time was spent in talking about past experiences and planning for the future. Hopefully, we can establish a viable long-term schedule of projects, and keep the interest of those who attended this inaugural meeting. If you have a hardware problem, bring it in and we can all help fix or demolish it. (No guarantees either way.) We meet at the same time as the Layman's Forum. (On the second Monday of each month, at 8:00 PM). ☐

Java

Mike Redlich (mike@redlich.net)
<http://www.redlich.net/javasig/javasig.html>

This SIG covers beginner, intermediate, and advanced level Java programming. Primary focus is on developing useful/practical applets and applications. (We meet on the second Tuesday of each month, at 7:30 PM). ☐

Mobile Devices

Brenda Bell (mobdevsig@acgnj.org)

The Mobile Devices SIG focuses largely on current-generation cellphones and smart phones (such as Blackberry, Android, iPhone) which bridge the gap between basic cell phones and traditional computers, and how they can help you manage and organize your life. Our membership ranges from those who have recently acquired their first, basic cellphone to those who develop applications for today's modern smart phones, iPods, and ultra-portable computers. While we expect to spend much of our time investigating the built-in features and specialized applications available to modern smart phones, if you bring your basic (or multimedia) cell phone, iPod, or other mobile device with questions on how to use it, where to find applications, or what features they have, we are always happy to help! Meet and greet and plan where this event goes. Bring all your ideas, PDAs, fancy phones, etc. (We meet on the second Wednesday of alternate months (we get the even ones), at 7:30PM). ☐

WebDev

Evan Williams (webdev@acgnj.org)

This SIG is an open forum for all Website Development techniques and technologies, to encourage study and development of web sites of all kinds. All languages will be considered and examined. The current project is a CMS for the club. Anyone interested in starting a new project, come to the meeting and announce/explain. Provide as much detail as possible. WebDev should be an all-encompassing development and examination forum for all issues, applications, OS, languages and systems one can use to build Websites. We currently

have two web development language SIGs: .NET and Java; but other languages and OS need to be investigated, examined and tested; Windows, Linux, UNIX, DEC, Vax, HP etc. Intel-PC, Motorola - MAC etc. (We meet on the second Wednesday of alternate months (we get the odd ones), at 7:30 PM). ☞

Investment Software

Jim Cooper (jim@thecoopers.org)

http://www.acgnj.org/groups/sig_investment.html

The Investment SIG continues with presentations on how to use analysis programs TC2000 and TCNet. Large charts are presented on our pull down screen and illustrate the application of computer scans and formulas to find stocks for profitable investments. Technical analysis determines buy points, sell points and projected moves. Technical analysis can also be used on fundamentals such as earnings, sales growth, etc. We're no longer focusing on just Telechart. If you are using (or interested in) Tradestation, eSignal, VectorVest, or just in learning how to select and use charting and technical analysis, come join us!! (We meet on the second Thursday of the month, at 8 PM). ☞

NJ Gamers

Gregg McCarthy (greggmajestic@gmail.com)

<http://www.NJGamers.com>

www.lanparty.com

The Friday Night Frag starts at 6:00 PM on the second Friday of each month, and keeps going until 12 Noon on Saturday - 18 hours for 5 bucks!

BYOC - Bring your own computer.

BYOF - Bring your own food.

And if you don't like sitting on metal folding chairs...

BYO chair! ☞

Web Browser (Formerly Firefox)

David McRitchie (firefox@acgnj.org).

This SIG is an open forum for all Firefox and Mozilla techniques and technologies, to encourage study and development of web sites of all kinds. All browsers will be considered and examined. All members and guests are invited to check out the design concepts and voice their opinion. (We meet on the third Monday of each month, at 7:30 PM). ☞

C/C++ Programming

Bruce Arnold (barnold@ieee.org)

<http://acgnj.barnold.us/index.html>

This is a forum for discussion of programming in general, beginning and intermediate level C, C++, C-Win programming, hardware, algorithms, and operating systems. We demonstrate real programming in a non-intimidating way, presenting complete code for working programs in 3-5 sheets of paper. (We meet on the third Tuesday of each month, at 7:30 PM). **No** meetings in July or August. ☞

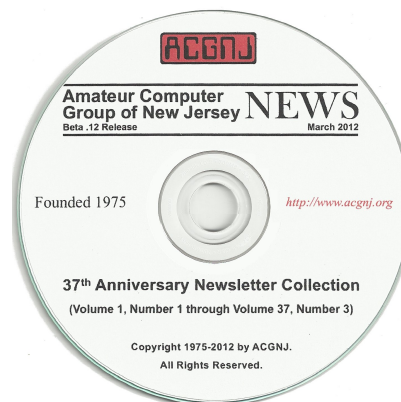
Window Pains

John Raff (jraff@comcast.net)

<http://www.acgnj.org/groups/winpains.html>

Intended to provide members with Windows oriented discussions, Microsoft and Linux style. Directed to more technological level of attendee, but newbies are welcomed. (We meet on the third Friday of the month at 8:00 PM). **No** meetings in July or August. ☞

37th Anniversary Newsletter CD Now On Sale



Beta .12 Release.

\$8.00, including postage.

(\$7.00 if you pick up a copy at a meeting).

Get yours today!

Back Issues Still Needed

Our collection remains incomplete. Below is a list of missing newsletters. Anyone who lends us one of these (or supplies a good clear copy) will receive the next CD as our thanks.

1975: #2 and #3 (dates uncertain).

1976: January.

1984: August.

1985: June, July, August, September. ☞

Guru Corner

If you need help with any of the technologies listed below, you can call on the person listed. Please be considerate and call before 10 PM.

Software

HTML	Mike Redlich	908-246-0410
	Jo-Anne Head	908-769-7385
ColdFusion	Jo-Anne Head	908-769-7385
CSS	Frank Warren	908-756-1681
	Jo-Anne Head	908-769-7385
Java	Mike Redlich	908-246-0410
C++	Bruce Arnold	908-735-7898
	Mike Redlich	908-246-0410
ASP	Mike Redlich	908-246-0410
Perl	John Raff	973-560-9070
	Frank Warren	908-756-1681
XML	Mike Redlich	908-246-0410
Genealogy	Frank Warren	908-756-1681
Home Automation	Frank Warren	908-756-1681

Operating Systems

Windows 3.1	Ted Martin	732-636-1942
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ACGNJ T-Shirts For Sale



(Front)



(Back)

L, XL: \$15.00

M: 2 for \$15.00

bob.hawes (at) acgnj.org

ACGNJ MEMBERSHIP APPLICATION

Sign up online at www.acgnj.org/membershipApplication.html and pay dues with PayPal.

US/CANADA		Dues	STUDENT	SENIOR CITIZEN (Over 65)
1 Year	\$25		\$20	\$20
2 Years	\$40			
3 Years	\$55			\$45

Mail this application and your check to:
 AMATEUR COMPUTER GROUP OF NEW JERSEY, INC., P.O. BOX 135, SCOTCH PLAINS, NJ 07076

☐ New Member ☐ Renewal ☐ Address Change

First Name _____ Last Name _____ Phone _____

Mailing Address _____ E-Mail _____

City _____ State _____ Zip _____ URL _____

What topics would you like to see covered at club meetings? _____

Other Local Computer Groups		
Princeton Macintosh User Group: 7:15 pm 2nd Tuesday, Jadwin Hall, A-10, Washington Rd, Princeton, (609) 252-1163, www.pmug-nj.org	Linux Users Group in Princeton: 7 pm, 2nd Wednesday, Lawrence Branch Mercer Library, Rt#1 & Darrah Lane, Lawrence NJ http://www.lugip.org	New York PC: 3rd Thurs, 7 pm, PS 41, 116 W 11th St. For info call hotline, (212) 533-NYPC, http://www.nypc.org
Computer Education Society of Philadelphia: Meetings & Workshops at Jem Electronics, 6622 Castor Ave, Philadelphia PA. www.cesop.org/	Brookdale Computer Users Group: 7 pm, 3rd Friday, Brookdale Community College, Bldg MAS Rm 100, Lincroft NJ. (732)-739-9633. www.bcug.com	NJ Macintosh User Group: 8 pm, 3rd Tuesday, Allwood Branch Library, Lyall Rd, Clifton NJ. (201) 893-5274 http://www.njmug.org
PC User Group of So. Jersey: 2nd Mon., 7 pm, Trinity Presb. Church, 499 Rt 70 E, Cherry Hill, NJ. L. Horn, (856) 983-5360	Hunterdon Computer Club: 8:30 am, 3rd Sat, Hunterdon Medical Center, Rt 31, Flemington NJ. www.hunterdoncomputerclub.org , (908) 995-4042.	NY Amateur Computer Group: 2nd Thurs, 7 pm, Rm 806 Silver Bldg, NYU, 32 Waverly Pl, NYC. http://www.nyacc.org
Morris Micro Computer Club: 7 pm 2nd Thurs., Morris County Library, Hanover Ave, Morristown NJ, (973) 267-0871. http://www.morrismicro.com	Central Jersey Computer Club: 8 pm, 4th Friday, Rm 74, Armstrong Hall, College of NJ. Rich Williams, (609) 466-0909.	NJ PC User Group: 2nd Thurs, Monroe Rm at Wyckoff Public Library, 7 pm. Maureen Shannon, (201) 853-7432, www.njpcug.org
Philadelphia Area Computer Society: 3rd Sat, 12 noon Main Meeting, groups 8 am-3 pm. Upper Moreland Middle School, Hatboro PA. (215) 764-6338. www.pacsnet.org	NJ Computer Club: 6:15 pm, 2nd Wednesday except Jul & Aug, North Branch Reformed Church, 203 Rt 28, Bridgewater NJ. http://www.njcc.org	Princeton PC Users Group: 2nd Monday, Lawrenceville Library, Alt Rt 1 & Darrah Lane, Lawrenceville, Paul Kurivchack (908) 218-0778, http://www.ppcug-nj.org

Classified

FREE TO MEMBERS. Use our classified ads to sell off your surplus computer stuff. Send copy to Classified, ACGNJ NEWS, P.O. Box 135, Scotch Plains NJ 07076 or e-mail to the editor, bdegroot@ptd.net. Classified ads are free to members, one per issue. Non-members pay \$10. Send check payable to ACGNJ Inc. with copy. Reasonable length, please.



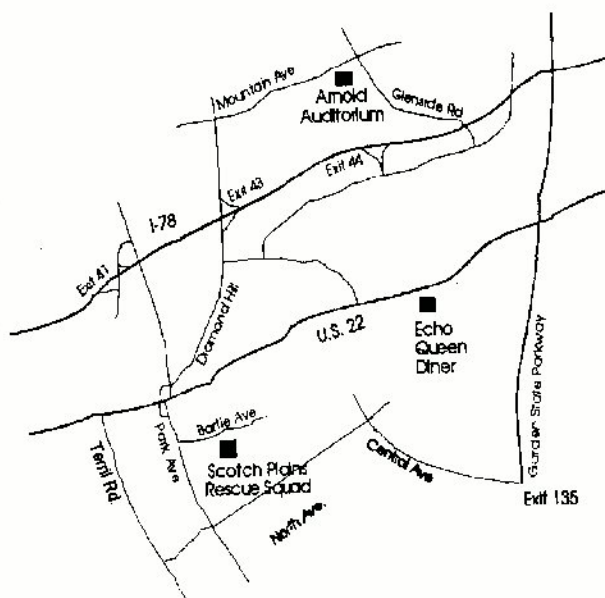
Radio and TV Programs

Computer Radio Show, WBAI 99.5 FM, NY, Wed. 8-9 p.m.

Software Review, The Learning Channel, Saturday 10-10:30 p.m.

On Computers, WCTC 1450 AM, New Brunswick, Sunday 1-4 p.m. To ask questions call (800) 677-0874.

PC Talk, Sunday from 8 p.m. to 10 p.m., 1210 AM Philadelphia. 1-800-876-WPEN



Directions to Meetings at Scotch Plains Rescue Squad, 1916 Bartle Ave., Scotch Plains NJ

From New York City or Northern New Jersey

Take Route 1&9 or the Garden State Parkway to US 22 Westbound.

From Southern New Jersey

Take Parkway north to Exit 135 (Clark). Stay on left of ramp, follow circle under Parkway. Bear right to Central Avenue; follow to Westfield and under RR overpass. Left at light to North Avenue; follow to light in Fanwood. Right on Martine (which becomes Park Ave). Right on Bartle Ave in middle of shopping district. Scotch Plains Rescue Squad (2-story brick) is located on the right. Do not park in the row next to the building — you'll be towed.

From I-78 (either direction)

Take exit 41 (Scotch Plains); follow signs to US 22. Turn right at light at bottom of hill and use overpass to cross Rt. 22. Follow US 22 Westbound directions.

From US 22 Westbound

Exit at Park Avenue, Scotch Plains after McDonalds on the right, diagonally opposite Scotchwood Diner on the left, immediately before the overpass. After exiting, turn left at the light and use overpass to cross US 22. Bear right at bottom of ramp to continue south on Park Avenue. Turn left at the second light (a staggered intersection). Scotch Plains Rescue Squad (2-story brick) is on the right. Do not park in the row next to the building — you'll be towed. We meet on the second floor, entering by the door at the right front of the building.

From Western New Jersey

Take US 22 Eastbound to the Park Avenue exit. The exit is about a mile past Terrill Road and immediately past the overpass. Exit onto Park Avenue South and follow the directions above to the Rescue Squad building. ☐